

-CNITED STATES DEPAREMENT OF COMMERCE-United States Patent and Trademark Office Address; COMMISSIONER FOR PATENTS

P.O. Bec. 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

	· · · · · · · · · · · · · · · · · · ·				
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/619,922	07/15/2003	Bing Ji	06437 USA	7155	
23543	7590 04/12/2005		EXAMINER		
AIR PRODUCTS AND CHEMICALS, INC. PATENT DEPARTMENT			VINH, LAN		
	7201 HAMILTON BOULEVARD			PAPER NUMBER	
ALLENTOV	WN, PA 181951501	•	1765		

DATE MAILED: 04/12/2005.

Please find below and/or attached an Office communication concerning this application or proceeding.

			120
	Application No.	Applicant(s)	<u> </u>
	10/619,922	JI ET AL.	
Office Action Summary	Examiner	Art Unit	
	Lan Vinh	1765	
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet w	ith the correspondence address -	•
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep If NO period for reply specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailinearned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a loby within the statutory minimum of thin will expire SIX (6) MON te, cause the application to become Al	reply be timely filed ty (30) days will be considered timely. ITHS from the mailing date of this communica BANDONED (35 U.S.C. § 133).	: tion.
Status			
1) Responsive to communication(s) filed on 15.	<i>luly</i> 2003.		•
	s action is non-final.		
3) Since this application is in condition for allowa	ance except for formal mat	ters, prosecution as to the ments	is
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D). 11, 453 O.G. 213.	
Disposition of Claims			
4) Claim(s) <u>1-26</u> is/are pending in the application	n.		
4a) Of the above claim(s) is/are withdra			ŧ
5) Claim(s) is/are allowed.			
6) Claim(s) is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) <u>1-26</u> are subject to restriction and/or	election requirement.		
Application Papers			
9) The specification is objected to by the Examine	er.		:
10)☐ The drawing(s) filed on is/are: a)☐ acc		by the Examiner.	
Applicant may not request that any objection to the			
Replacement drawing sheet(s) including the correct		• •	I(d).
11)☐ The oath or declaration is objected to by the E	xaminer. Note the attached	d Office Action or form PTO-152.	
Priority under 35 U.S.C. § 119	•		
12)☐ Acknowledgment is made of a claim for foreign	n priority under 25 LLC C	: 110(a) (d) a= (f)	
a) ☐ All b) ☐ Some * c) ☐ None of:	i priority under 35 U.S.C. S	; 113(a)-(u) 01 (I).	•
1.☐ Certified copies of the priority documen	ts have been received.		
2. Certified copies of the priority document		pplication No.	
3. Copies of the certified copies of the price			
application from the International Burea		· ·	
* See the attached detailed Office action for a list	of the certified copies not	received.	
			:
Attachment(s)	, , , , , , ,	<u></u>	
) UNotice of References Cited (PTO-892)) Notice of Draftsperson's Patent Drawing Review (PTO-948)		ummary (PTO-413) s)/Mail Date	
I) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) 🔲 Notice of Ir	formal Patent Application (PTO-152)	
Paper No(s)/Mail Date	6) Other:	_·	

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-20, drawn to a mixture for etching/composition/product, classified in class 252, subclass 79.3.
 - II. Claims 21-26, drawn to a method for the removal of a portion of a dielectric, classified in class 438, subclass 706.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions I and II are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case the process for the removal of dielectric as claimed can be practiced with another materially different composition/product such as a composition/mixture that does not require a fluorine-containing oxidizer (i.e. a composition/mixture that uses non-fluorine-containing oxidizer such as oxygen)
- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, restriction for examination purposes as indicated is proper.

Application/Control Number: 10/619,922

Art Unit: 1765

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lan Vinh whose telephone number is 571 272 1471. The examiner can normally be reached on M-F 8:30-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine Norton can be reached on 571 272 1465. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Application/Control Number: 10/619,922

Business Center (EBC) at 866-217-9197 (toll-free).

Art Unit: 1765

Page 4

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

LV

April 8, 2005